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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/749,223	12/30/2003	Kyoung-Pyo Ha	11038-159-999	1481	
24341 7	7590 01/14/2005		EXAM	INER	
MORGAN, LEWIS & BOCKIUS, LLP.			ESHETE, ZELALEM		
2 PALO ALTO 3000 EL CAM	-		ART UNIT	PAPER NUMBER	
	PALO ALTO, CA 94306			3748	
			DATE MAILED: 01/14/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/749,223	HA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Zelalem Eshete	3748			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. (D) (35 U.S.C. § 133).			
Status	,				
1) Responsive to communication(s) filed on					
	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
 4) ☐ Claim(s) 1-7 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1 and 2 is/are rejected. 7) ☐ Claim(s) 3-7 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or 					
Application Papers					
9)☐ The specification is objected to by the Examine 10)☒ The drawing(s) filed on 30 December 2003 is/a Applicant may not request that any objection to the c Replacement drawing sheet(s) including the correct 11)☐ The oath or declaration is objected to by the Ex	re: a)⊠ accepted or b)⊡ object drawing(s) be held in abeyance. Sec ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive u (PCT Rule 17.2(a)).	ion No ed in this National Stage			
Attachment(s)					
1) Notice of References Cited (PTO-892)	4) Interview Summary				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 12/30/2003.	Paper No(s)/Mail Do 5) Notice of Informal F 6) Other:	ate Patent Application (PTO-152)			

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1,2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kim (5,809,951) in view of Shui et al. (US2004/0069259).

Regarding claim 1: Kim discloses a variable valve lift mechanism for an engine comprising: a rocker arm for transmitting a cam movement to a stem end of a valve (see figure 2); a rotating axle movement means for moving a rotating axle of said rocker arm on a moving plane which is a plane perpendicular to said rotating axle of said rocker arm (see figure 3).

Kim failed to disclose a restricting means for restricting said rocker arm to prohibit the rocker arm from moving along a longitudinal direction of said rocker arm.

However, Shui teaches a restricting means for restricting said rocker arm to prohibit the rocker arm from moving along a longitudinal direction of said rocker arm, in that Shui discloses means to locate the rocker arm so as to prevent rocker arm from moving laterally in unwanted manner (see paragraph 0020, figure 1).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Kim's device by providing restricting means as taught by Shui in order prevent rocker arm from moving laterally in unwanted manner as taught by Shui.

Regarding claim 2: Kim discloses said rotating axle movement means comprises: a sliding arm supported by said rocker arm so as to linearly slide on said moving plane along said longitudinal direction of said rocker arm (see numeral 33); a moveable shaft rotatably supported by said sliding arm to function as a rotating axle of said rocker arm (see numeral 20); and a sliding means for linearly sliding said moveable shaft along said longitudinal direction of said rocker arm (see figure 3).

Allowable Subject Matter

3. Claims 3-7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zelalem Eshete whose telephone number is (571) 272-4860. The examiner can normally be reached on Monday to Thursday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Denion can be reached on (571) 272-4859. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Zelalem Eshete Examiner Art Unit 3748

Ζ

THOMAS DENION
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3700